

Validation and Reissue of ARH 600

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Objective

- Validate the calculated results in ARH-600
- Update information
- Independent peer review of calculations
- Create an electronic handbook with search features
- Reissue as hard copy and web based soft copy

Planned Activities for FY 2004

Funded 60K

- Scan and digitize existing plots
- Define and develop software for final electronic version
- Start work on web based electronic version
- Commence with recalculation of old data
- Add ability to plot curves for specified keff values (0.98, 0.95)

Accomplishments

- Analysis tools for validation established MCNP 4C, SCALE 4.4/KENO Va, WIMS-D 5B
- Some curves recalculated Pu, U systems
- Old ARH 600 has been scanned some curves have been digitized
- Old ARH 600 progressing as an electronic hypertext document
- Software for final electronic version Alpha phase testing in progress

Planned Activities For FY 2005

Funding Needs 140K

- Continue recalculation and validation of old data
- Compare old to new data electronically
- Set up the web based version
- Start peer review of calculations

Planned Activities For FY 2006

Funding Needs 300K

- Complete validation and recalculation
- Complete peer review
- Software QA
- Issue hard copy and electronic version

Planned Activities For FY 2007

Funding Needs 50K

- Update with further new information
- Complete any unfinished tasks
- Maintenance

Planned Activities For FY 2008

Funding Needs 40K

- Update with new information
- Maintenance

Planned Activities For FY 2009

Funding Needs 40K

- Update with new information
- Maintenance